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PATENT


## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In re application of:** Srinivasan et al.**Application No.** 10/623,128**Filed:** July 18, 2003**Confirmation No.** 4493**For:** IN-LOOP DEBLOCKING FILTER**Examiner:** not yet assigned**Art Unit:** 2621**Attorney Reference No.** 3382-66127-01**CERTIFICATE OF MAILING**

I hereby certify that this paper and the documents referred to as being attached or enclosed herewith are being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 on the date shown below.

Attorney or Agent  
for Applicants

Date Mailed

  
October 18, 2005**INFORMATION DISCLOSURE STATEMENT  
PURSUANT TO 37 C.F.R. § 1.97(b)(3)**

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Listed on the accompanying form PTO-1449 and enclosed herewith are several English-language and/or non-English-language documents. Applicants respectfully request that these documents be listed as references cited on the issued patent.

Copies of United States patents and United States published patent applications do not have to be provided to the Patent Office (37 C.F.R. 1.98(a)(2)(ii)). Copies of unpublished U.S. applications do not have to be provided, as long as the application is available on PAIR, as this requirement of 37 C.F.R. § 1.98(a)(2)(iii) has been waived by the United States Patent and Trademark Office pursuant to the Official Gazette Notice on October 19, 2004 (1287 OG 163). Applicants will provide copies of such patents or applications upon request.

Applicants filed this Information Disclosure Statement ("IDS") before the mailing date of a first Office action on the merits. As a result, no fee should be required to file this IDS.

However, if the Patent Office determines that a fee is required for Applicants to file this IDS,


please charge any such fees, or credit overpayment, to Deposit Account No. 02-4550. A **duplicate** copy of this Information Disclosure Statement is enclosed.

The filing of this IDS shall not be construed to be an admission that the information cited in the statement is, or is considered to be, prior art or otherwise material to patentability as defined in 37 C.F.R. §1.56.

Respectfully submitted,

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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Attorney Docket Number	3382-66127-01
Application Number	10/623,128
Filing Date	July 18, 2003
First Named Inventor	Srinivasan
Art Unit	2621
Examiner Name	not yet assigned

**U.S. PATENT DOCUMENTS**

Copies of U.S. Patent documents do not need to be provided, unless requested by the Patent and Trademark Office. For patents, provide the patent number and the issue date. For published U.S. applications, provide the publication number and the publication date. For unpublished pending patent applications, provide the application number and the filing date.

Examiner's Initials*	Cite No. (optional)	Number	Publication Date	Name of Applicant or Patentee
		5,089,889	February 18, 1992	Sugiyama
		5,787,203	July 28, 1998	Lee et al.
		5,799,113	August 25, 1999	Lee
		5,844,613	December 1, 1998	Chaddha
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		6,380,985	April 30, 2002	Callahan
		6,466,624	October 15, 2002	Fogg
		6,473,409	October 29, 2002	Malvar
		20030152146	August 14, 2003	Lin et al.

**U.S. PATENT APPLICATION DOCUMENTS**

Examiner's Initials*	Cite No. (optional)	Number	Filing Date	Name of Applicant or Patentee
		60/341,674	December 17, 2001	Lee et al.

EXAMINER  
SIGNATURE:

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CONSIDERED:

\* Examiner: Initial if reference considered, whether or not in conformance with MPEP 609. Draw line through cite if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<b>FOREIGN PATENT DOCUMENTS</b>					
<b>Examiner's Initials*</b>	<b>Cite No. (optional)</b>	<b>Country</b>	<b>Number</b>	<b>Publication Date</b>	<b>Name of Applicant or Patentee</b>
		Europe	966,841	December 29, 1999	Kalevo et al.
		GB	2,365,647	February 20, 2002	Knee et al.
<b>Examiner's Initials*</b>	<b>Cite No. (optional)</b>	<b>OTHER DOCUMENTS</b>			
		Kotropoulos et al., "Adaptive LMS <i>L</i> -filters for Noise Suppression in Images," <i>IEEE Transactions on Image Processing</i> , Vol. 5, No. 12, pp. 1596-1609 (1996). [48 pp. as downloaded from the World Wide Web on April 30, 2001.]			
		Microsoft Corporation, "Microsoft Debuts New Windows Media Player 9 Series, Redefining Digital Media on the PC," 4 pp. (September 4, 2002) [Downloaded from the World Wide Web on May 14, 2004].			
		Mook, "Next-Gen Windows Media Player Leaks to the Web," <i>BetaNews</i> , 17 pp. (July 19, 2002) [Downloaded from the World Wide Web on August 8, 2003].			
		ITU-T, "ITU-T Recommendation H.261: Video Codec for Audiovisual Services at $p \times 64$ kbits," 28 pp. (1993).			
		ITU-T, "ITU-T Recommendation H.262: Information Technology - Generic Coding of Moving Pictures and Associated Audio Information: Video," 218 pp. (1995).			
		ITU-T, "ITU-T Recommendation H.263: Video Coding for Low Bit Rate Communication," 167 pp. (1998).			
		ISO/IEC, "ISO/IEC 11172-2: Information Technology - Coding of Moving Pictures and Associated Audio for Storage Media at up to About 1,5 Mbit/s," 122 pp. (1993).			
		ISO/IEC, "Information Technology - Coding of Audio-Visual Objects: Visual, ISO/IEC 14496-2, Committee Draft," 330 pp. (1998).			
		Joint Video Team of ISO/IEC MPEG and ITU-T VCEG, "Final Joint Committee Draft of Joint Video Specification (ITU-T Recommendation H.264, ISO/IEC 14496-10 AVC," 206 pp. (August 2002).			
		Reader, "History of MPEG Video Compression – Ver. 4.0," 99 pp., document marked December 16, 2003.			
		Printouts of FTP directories from <a href="http://ftp3.itu.ch">http://ftp3.itu.ch</a> , 8 pp. (downloaded from the World Wide Web on September 20, 2005.)			

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		Art Unit	2621
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<b>Examiner's Initials*</b>	<b>Cite No. (optional)</b>	<b>OTHER DOCUMENTS</b>	
		Lee et al., "Loop filtering and post-filtering for low-bit-rates moving picture coding," <i>Signal Processing: Image Communication</i> 16, pp. 871-890 (2001).	
		Sun et al., "Loop Filter with Skip Mode," Study Group 16, Video Coding Experts Group, 8 pp. (2001).	
		O'Rourke et al., "Improved Image Decompression for Reduced Transform Coding Artifacts," <i>IEEE Trans. on Circuits and Systems for Video Technology</i> , Vol. 5, No. 6, (Dec. 1995).	

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